



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ryusuke Hasegawa et al. Group Art Unit: 3747
Serial No.: 09/779,877 Examiner: Hai H. Huynh
Filed: February 8, 2001
For: **MAGNETIC CORE-COIL ASSEMBLY FOR SPARK IGNITION SYSTEMS**
Old Docket No.: 11872-022001 / 30-4016USRei
New Docket No.: 0017-28 Rei / 30-4016 US Rei

Morristown, NJ 07960
November 6, 2002

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

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AMENDMENT UNDER 37 CFR 1.116

In response to the Office Action dated August 20, 2002, the following remarks are filed.

Claims 1-18 are under consideration.

REMARKS

Applicants' invention, as recited by present claims 1 to 18, provides a magnetic core-coil assembly for a coil-per-plug (CCP) spark ignition transformer. Such CCP spark ignition transformers are suited for use in ignition systems of internal combustion engines. The assembly is capable of rapidly generating a high voltage output from a secondary coil in response to a low voltage excitation of a primary coil. Advantageously, the core-coil assembly of the present invention (i) can repeatedly generate the high voltages required for ignition events in an internal combustion system; (ii) efficiently transfers energy from the coil to the plug; (iii) exhibits very low core loss, thereby enabling it to provide a highly accurate representation of the ignition profile for use in adaptive engine control; and (iv) is

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AMENDMENT TRANSMITTAL LETTER				ATTORNEY'S DOCKET NO.: 0017-28 Re / 30-4016 USRei			
SERIAL NUMBER: 09/779,877		FILING DATE: February 8, 2001		EXAMINER: Hai H. Huynh		GROUP ART UNIT: 3747	
INVENTION: MAGNETIC CORE-COIL ASSEMBLY FOR SPARK IGNITION SYSTEMS							
INVENTOR(s): Ryusuke Hasegawa et al.							
TO THE ASSISTANT COMMISSIONER FOR PATENTS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.							
CLAIMS AS AMENDED							
(1)	(2) CLAIMS REMAINING AFTER AMENDMENT	(3)	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) NO. OF EXTRA CLAIMS PRESENT	(6) RATE	(7) ADDITIONAL FEE	
TOTAL CLAIMS	**18	MINUS	*18	0	X \$18	0.00	
INDEP. CLAIMS	**5	MINUS	*5	0	X \$84	0.00	
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0.00	
<p>* If the entry in column 2 is less than the entry in column 4, write "0" in column 5. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space. *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.</p> <p><input checked="" type="checkbox"/> No additional fee is required.</p> <p><input type="checkbox"/> Charge \$ _____ to Deposit Account No. _____. A triplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> The undersigned petitions for any extension of time for filing this document required under 37 C.F.R. 1.136 and requests that the \$ _____ fee be charged to Deposit Account No. <u>01-1125</u>. A triplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Charge any additional fees to Deposit Account No. <u>01-1125</u></p> <p><u>November 6, 2002</u> Date</p> <p><u>Ernest D. Buff</u> Attorney Name</p> <p><u>(973) 644-0008</u> Phone</p> <p><u>25,833</u> Reg. Number</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on <u>November 6, 2002</u>.</p> <p><u>Ernest D. Buff</u> (Signature)</p> <p><u>Ernest D. Buff</u> Attorney of Record</p> <p><u>November 6, 2002</u> (Date)</p>							

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